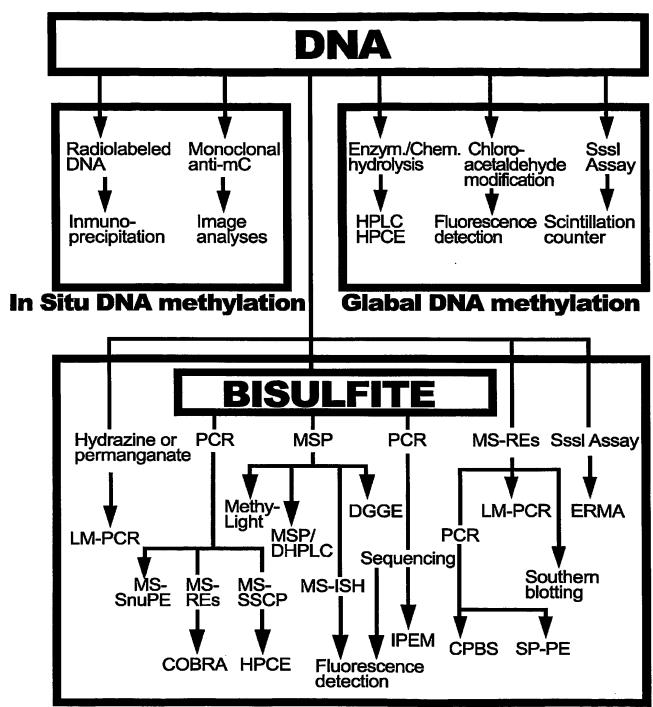
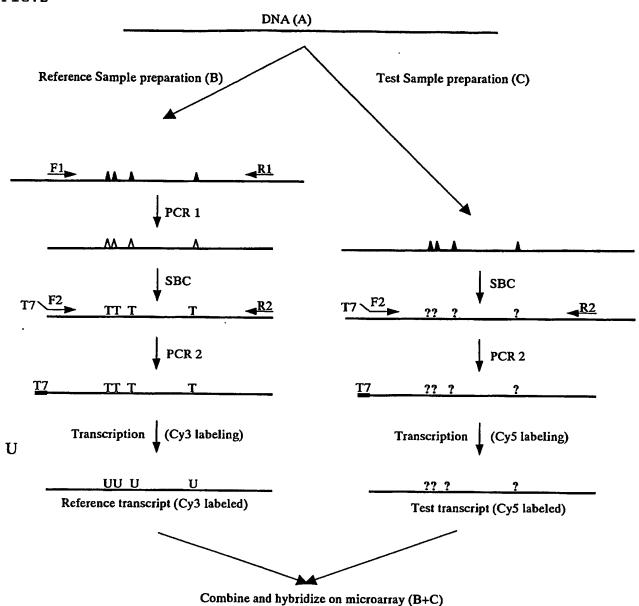
FIG.1



Site-Specific DNA methylation





▲ CpG dinucleotide with or without methylation

△ CpG dinucleotide without methylation

? C (if methylated), T (if unmethylated) and U (in unmethylated transcript) SBC Sodium bisulfite conversion

FIG.3

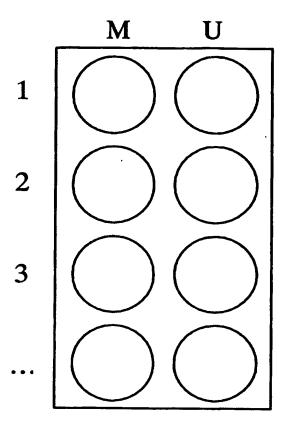
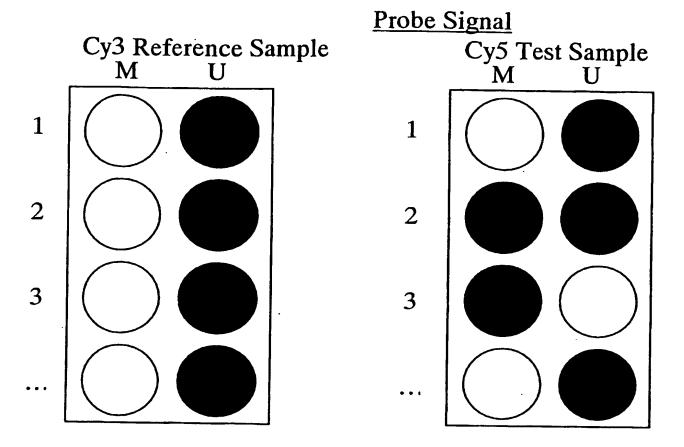
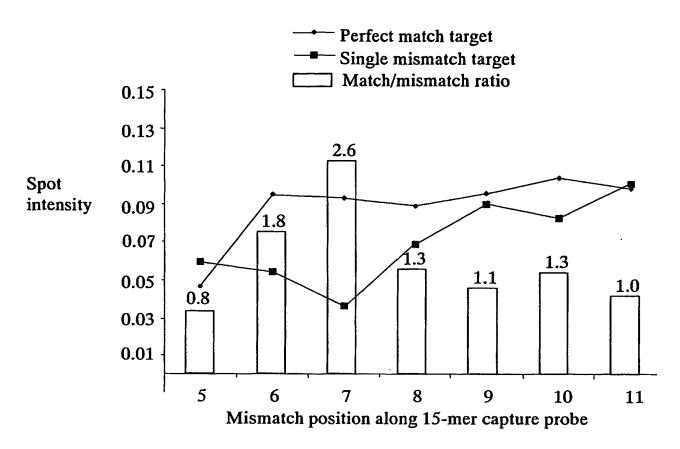


FIG.4

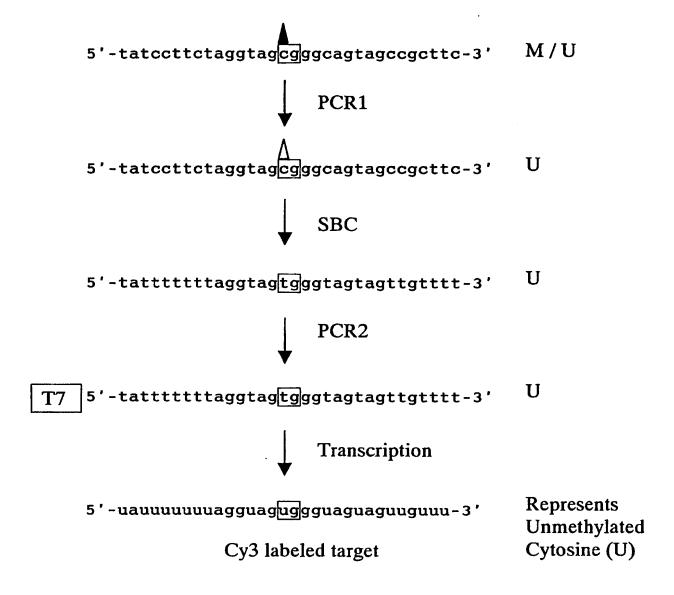






Effects of Mismatch Position Along Capture Probe

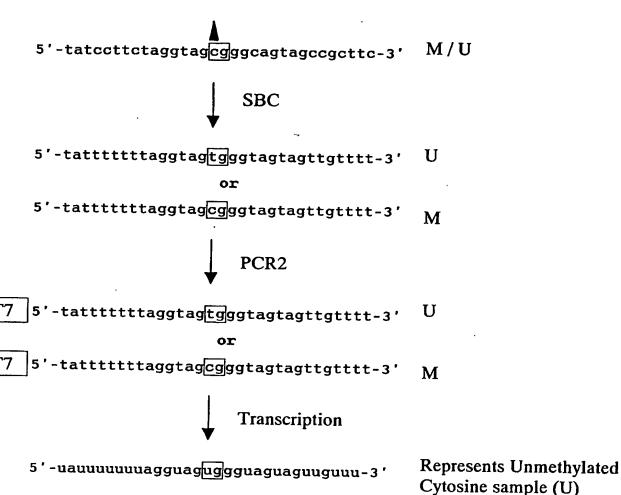
FIG.6



▲ CpG dinucleotide with or without methylation
 ▲ CpG dinucleotide without methylation
 SBC Sodium bisulfite conversion

7/7

FIG.7



OT

5'-uauuuuuuagguagcggguaguaguuguuu-3' Represents Methylated
Cy5 labeled targets Cytosine sample (M)

CpG dinucleotide with or without methylation
SBC Sodium bisulfite conversion